

CA Identity Manager

版本说明

r12.5



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CA 产品引用

本文档参考以下 CA 产品：

- CA Identity Manager
- CA SiteMinder[®] Web Access Manager
- CA Directory
- CA Enterprise Log Manager
- CA Role & Compliance Manager (CA RCM)

联系技术支持

要获取在线技术帮助以及办公地址、主要服务时间和电话号码的完整列表，请联系技术支持：<http://www.ca.com/worldwide>。

目录

第 1 章： 新增功能	9
支持的平台和版本	9
CA Role & Compliance Manager 集成	9
Smart Provisioning	10
Identity Manager 连接器 - 支持的端点	11
Identity Manager 连接器 - 更新限制	12
CA Enterprise Log Manager 集成	13
CA Enterprise Log Manager 报告	13
Identity Manager 目录配置向导	14
帐户管理功能增强	14
需要配给管理器的端点类型	14
安装和升级功能增强	15
自动化的任务持久性无用单元收集和存档	15
任务持久性迁移工具	16
Connector Xpress 增强	16
批加载程序允许多个操作	16
角色和任务导入功能增强	17
报告数据源	17
新的默认报告	18
workflow 增强功能	18
WorkPoint 3.4.2 支持	18
基于规则的工作流	18
工作流作业视图	19
“查看提交的任务”功能增强	20
配置文件屏幕增强	20
确认字段	21
动态字段显示	21
新对象选择器字段样式	21
对 Microsoft Visual Studio 2008 的支持	21
身份策略功能增强	22
配给角色所有者任务	22
第 2 章： 现有功能的变更	23
快照数据库性能提高	23
快照参数 XML 文件增强	23
连接管理	23
环境导出包括其他对象	24
CA Identity Manager 累积版本 (CR) 中的修补程序和增强	24
Active Directory 连接器现在支持 Win2003 R2 UNIX 属性	24
端点类型属性映射文件移动	24

默认 CleverPath 报告模板被删除	25
已弃用的配给 SDK 和实用程序	25
不再支持 iRecorder	26
Web 服务对于新环境中的所有任务均为禁用状态	27

第 3 章： 硬件要求 29

第 4 章： 安装注意事项 31

支持的升级路径	31
必需的 Solaris 修补程序	31
Solaris 最低内核参数	32
非 ASCII 字符会导致非英语系统上的安装失败	32
IPv6	32
配置 IPv6 支持	34
Windows 2008 上带有纯 IPv6 的配给目录不受支持	34
z/OS 连接器架构更改	34
CA Directory 的位置	34
故障转移: CA Identity Manager 有时会回到旧的配给服务器	35
无法使用非完全限定 URL 配置 CA Identity Manager	35
使用 WebLogic 时 Identity Manager EAR 不自动部署	35

第 5 章： 已知问题 37

常规	37
数据库未启动时 Identity Manager 以失败状态启动	37
搜索大用户存储时，可能发生“内存不够”错误	37
批加载程序 workflow 限制	37
在 Linux 64 位操作系统上对 WebSphere 自动部署 WorkPoint 过程脚本时的错误	38
创建带有配给的环境之后重新启动 CA Identity Manager	38
JBoss 上的良性 JSF RI 错误	38
CA Identity Manager 连接器需要连接器配置更改	39
配给角色名称更改不会在 CA RCM 中动态更新	39
在特定部署中创建新环境时的“未找到”错误	40
CA RCM 日志中的良性错误	40
在 Identity Manager 中修改单值复合属性	41
无法创建逻辑属性处理程序的副本	41
访问查看用户活动任务时出错	41
升级	41
将群集从 CA Identity Manager r12 CR6 或更高版本进行升级时的问题	41
升级之后重新映射 DYN 端点属性	42
CA Directory 升级消息问题	42
在 Solaris 上从 Admin 8.1 SP2 升级时的问题	43
基于 WebLogic 9.2.1 升级时的错误	43
自动迁移期间的 SiteMinder 错误	44
环境迁移错误	44

升级 CA Directory 之前必要的修复	44
不支持从 ACE 或 Option Pack 1 进行升级	45
从 eTrust Admin 8.1 SP2 升级后, MS SQL 端点和 Oracle 端点均不可用	45
用于 z/OS 连接器的升级后步骤	46
如果 Identity Manager 用户存储无法联系, 环境迁移则失败	46
报告	46
使用 ExportAll.xml 捕获快照数据时出错	47
捕获快照数据任务在完成时也显示为正在进行	47
报告限制	47
在 XML 文件中, Satisfy=All 运行不正常	47
查看报告时会重定向到 Infoview 登录页	47
为“查看我的报告”任务启用第三方 Cookie	48
如果存在的记录多于 20,000 个, 生成用户帐户则失败	48
对于 WebSphere, 非快照报告需要日期选取器	49
默认审核报告不支持重复调用	49
配给	49
常规	49
端点类型	52

第 6 章: 文档 59

总目录	60
在线帮助功能增强	60
eTrust 到 CA 的品牌重塑	61
术语更改	61
文档更改	62

附录 A: 第三方声明 63

Apache	63
ANTLR 2.7.5H#	70
ASM 3	71
DOM4J	71
HSQLDB 1.7.3	73
HSQLDB 1.8.0	75
IBM DB2 Driver for JDBC and SQLJ	76
Jaxen 1.3	76
JDOM 1.11	78
JSON 1.0	79
jtopen 5.1.1	79
libcurl 7.15.0	80
MX4J 3.0.2	81
Oracle JDBC Driver 10g Release 2	83
Rhino 1.5R5	84
Rhino 1.7R1	93
SAAJ 1.2	105

SAXPath 1.1	106
SpiderMonkey 1.5	107
Sun JDK 1.6.0	108

第 1 章： 新增功能

此部分包含以下主题：

- [支持的平台和版本](#) (p. 9)
- [CA Role & Compliance Manager 集成](#) (p. 9)
- [CA Enterprise Log Manager 集成](#) (p. 13)
- [Identity Manager 目录配置向导](#) (p. 14)
- [帐户管理功能增强](#) (p. 14)
- [需要配给管理器的端点类型](#) (p. 14)
- [安装和升级功能增强](#) (p. 15)
- [自动化的任务持久性无用单元收集和存档](#) (p. 15)
- [任务持久性迁移工具](#) (p. 16)
- [Connector Xpress 增强](#) (p. 16)
- [批加载程序允许多个操作](#) (p. 16)
- [角色和任务导入功能增强](#) (p. 17)
- [报告数据源](#) (p. 17)
- [新的默认报告](#) (p. 18)
- [工作流增强功能](#) (p. 18)
- [“查看提交的任务”功能增强](#) (p. 20)
- [配置文件屏幕增强](#) (p. 20)
- [对 Microsoft Visual Studio 2008 的支持](#) (p. 21)
- [身份策略功能增强](#) (p. 22)
- [配给角色所有者任务](#) (p. 22)

支持的平台和版本

在 CA Identity Manager r12.5 中，对支持的应用程序服务器版本、目录和数据库进行了一些更改。

注意：有关支持平台和版本的完整列表，请参见 [CA Identity Manager 支持站点](#)中的 CA Identity Manager 支持表。

CA Role & Compliance Manager 集成

CA Role & Compliance Manager (CA RCM) 是一个身份生命周期管理产品，使用该产品可以快速准确地开发、维护和分析角色模型。该产品还提供了集中式的身份遵从策略控制，并对与符合遵从性和安全需求有关的过程进行了自动化。使用 CA RCM，可执行以下操作：

- 验证用户是否具有适当授权
- 确保授予的权限符合安全策略
- 监控身份管理控制的效率
- 了解组织中存在哪些角色，然后建立适合您的组织的角色模型
- 随着业务的不断发展分析和维护该角色模型

CA Identity Manager 与 CA RCM 以两种方式进行集成:

- CA Identity Manager 连接器

CA Identity Manager 连接器对 CA Identity Manager 和 CA RCM 之间的基于角色的权限数据进行同步。通过使用该连接器, 可以将数据从 CA Identity Manager 导入 CA RCM, 或将数据从 CA RCM 导出到 CA Identity Manager。

注意: 有关 CA Identity Manager 连接器的详细信息, 请参阅《CA RCM Connector for CA Identity Manager Guide》。

- Smart Provisioning

将 CA Identity Manager 与 CA RCM 集成后, 还可以配置其他功能, 从而使您能够使用角色和遵从性信息 (位于角色模型中) 来支持身份管理日常操作。在 CA Identity Manager 所作的更改会动态更新 CA RCM 中的角色模型。

Smart Provisioning

Smart Provisioning 是一个功能集, 它简化了 CA Identity Manager 与 CA RCM 集成后的配给角色分配。功能包括:

- 建议配给角色

CA Identity Manager 可向管理员提供一个适合分配给用户的配给角色列表。配给角色列表是 CA RCM 根据管理员输入的条件确定的。

建议配给角色将确保用户具有正确的权限, 同时能够保持公司的角色模型。

- 策略验证

CA Identity Manager 管理员可以在提交更改之前根据 CA RCM 中的角色模型验证提议的更改。提交更改前先进行验证有助于公司维护为其运作所定义的角色模型。

用户可以验证对配给角色的已建议更改 (对其分配或删除) 以及用户属性的更改。

CA Identity Manager 执行两种类型的策略验证:

- 遵从

根据 CA RCM 角色模型来验证提议更改, 看这些更改是否违反 CA RCM 中明确的、预先定义的业务策略规则。

- 模式

将已建议更改和 CA RCM 角色模型作比较, 以查看这些更改是否有可能变为“非模式”。CA Identity Manager 也将确保这些更改不会明显改变该角色模型中已建立的模式。

您可以对 CA Identity Manager 进行配置, 使其在用户执行特定任务时自动执行验证, 或者让用户手工启动验证。

一旦 CA RCM 中已建立角色模型 (基于 Identity Manager 数据), 即可在 Identity Manager 环境中实施 Smart Provisioning。

Identity Manager 连接器 - 支持的端点

在该版本中，Identity Manager 连接器支持以下端点。其中某些端点是通过预定义的端点处理程序实现支持的，就像 r12.0 一样，而其他端点则使用在该版本中引进的可自定义的基于 xml 的端点处理程序。

端点	支持	资源	备注
Unix (ETC)	可自定义处理程序	UNIXETC 组	无已知限制
Windows (N16)	可自定义处理程序	NT 组	更新限制 (p. 12)
Oracle 数据库 (ORA)		用户软件包，用户角色，用户过程，以及管理软件包	导出局限于特定的端点规则。
OS400 (AS4)	可自定义处理程序	配置文件组和成员组	用户必须具有主要组才能具有常规组。必须首先配置主要组，然后才能向用户添加常规组。与之相似，请首先删除所有常规组，然后再删除主要组。
Microsoft SQL	可自定义处理程序	DBAccess 和服务器角色	要从帐户模板删除资源或删除用户，请首先删除数据库访问权限。
LDAP	可自定义处理程序	组	无已知限制
SAP	预定义处理程序	授权和角色	授权，但用户 - 资源检索链接操作除外。 角色，但下列操作之外： <ul style="list-style-type: none"> ■ 帐户模板 - 资源检索链接 ■ 用户 - 资源检索链接 ■ 已删除用户 - 资源更新链接
DB2	预定义处理程序	索引，架构，表，表空间，以及视图	用户-资源链接未导入
Active Directory (ADS)	可自定义处理程序	Active Directory 组	CA RCM 帐户模板处理必须基于 AD 帐户策略或

端点	支持	资源	备注
			AD 联系策略。
			连接器仅能轮询和更新这些策略类型之一。
			帐户模板仅应参考一个端点。
			在数据导出期间，连接器无法精确解析审核卡中的一些更改条目。
			配置连接器时，必须对于导出的每种数据类型都分配一个 DN 字段。

Identity Manager 连接器 - 更新限制

使用可自定义端点处理程序的端点数据的成功更新需要完全了解目标端点类型的数据结构、语法规则。为了避免出现问题，当您配置处理程序和定义数据映射时必须考虑端点类型规定的数据结构。

当您使用可自定义端点处理程序将更新发送给 CA Identity Manager 时，经常会出现以下问题：

- **目标端点限制** - Identity Manager 允许密码保护配置，和端点和端点类型的其他验证限制。这些限制可能会导致在 Identity Manager 上创建实体失败。CA RCM 在更新期间不会验证新实体的创建是否成功，CA RCM 连接器可能不会在日志中记录这些活动。
- **帐户模板** - 下列限制与 CA RCM 和 Identity Manager 如何处理资源、端点和帐户模板有关：
 - 不要在 CA RCM 中重命名帐户模板。重命名帐户模板时，CA RCM 会尝试通过删除现有模板并创建新的模板的方式来更新端点。这会意外修改许多模板属性。
 - 一个端点的资源更改会反映到同类型的所有端点中。例如，如果您删除了某个帐户模板中的“管理权限”资源，并向某个、特定的 Microsoft SQL Server 端点发送该模板的更新，则该“管理权限”资源将从具有该资源的每个 Microsoft SQL Server 端点删除。
 - CA RCM 不会验证某个 Identity Manager 帐户模板是否可用于某个目标端点或端点类型。您必须首先确认该帐户模板可用，然后再更新某个特定类型的端点。

- 默认帐户模板（被 CA RCM 参考为新帐户模板模型的 Identity Manager 帐户模板）在静态配置文件中指定。CA RCM 不验证该设置，也不检测该默认帐户模板是否已在 Identity Manager 中被删除或更改。
- **错误记录** - 在某些情况下，更新期间的错误不会记录在连接器作业的日志文件中。

CA Enterprise Log Manager 集成

CA Enterprise Log Manager 使用 CA Common Event Grammar (CEG) 将源自各种系统的事件映射为一个标准格式，并储存所有事件以便进行复查和分析，即使那些尚未映射的事件也会储存。而且，CA Enterprise Log Manager 向用户提供了大量的解决方案，用于管理和报告收集的数据以及使用可配置数据库查询和/或报告来搜索各种类型的信息和事件。

CA Enterprise Log Manager 对于非管理系统以及超出 CA Identity Manager 能力和控制之外的系统提供了更好、更宽和更深的洞察，并且还能让您深入调查身份。

通过与 CA Identity Manager 进行集成，您可以使用 Identity Manager 用户控制台查看 CA Enterprise Log Manager 用户控制台中的 CA Enterprise Log Manager 以身份中心的报告和/或动态查询。在该用户控制台中，您可以配置查看和修改现有 CA Identity Manager/Enterprise Log Manager 报告和/或查询的方式，同时还能深入调查某个特定的身份。

CA Enterprise Log Manager 报告

默认情况下 CA Enterprise Log Manager 角色定义附带了以下 CA Enterprise Log Manager 报告：

任务	调用报告
系统所有事件（按用户）	CA Identity Manager - 按用户 ID 筛选的系统所有事件
帐户管理（按主机）	帐户管理（按主机）
帐户创建（按帐户）	帐户创建（按帐户）
帐户删除（按帐户）	帐户删除（按帐户）
帐户锁定（按帐户）	帐户锁定（按帐户）
认证过程活动（按主机）	CA Identity Manager - 过程活动（按主机）
密码策略修改活动	CA Identity Manager - 策略修改活动

Identity Manager 目录配置向导

在该版本中提供了一个新的向导，该向导将引导管理员完成为其 LDAP 用户存储或配给服务器创建 Identity Manager 目录的过程，并且有助于减少配置错误。启动该向导之前，必须首先上载一个 Identity Manager LDAP 目录配置模板。这些模板预先配置了一些常用属性和必需属性。为您的 LDAP 用户存储或配给服务器输入连接详细信息之后，可以选择 LDAP 属性、映射常用属性，以及为这些属性输入元数据。完成属性映射时，单击“完成”即可创建该目录。

帐户管理功能增强

在用户控制台中，您现在可以执行大多数帐户管理任务。例如，您现在可以执行下列操作：

- 浏览端点的内容并关联其帐户，您也可以选择要浏览的端点子集。
- 创建并修改端点，以便可以在帐户模板中使用这些端点
- 为所有端点创建并修改帐户模板
- 管理端点上的各个帐户以便对其进行解锁、将其分配给新用户，或执行几项其他任务。

此外，您现在可以使用管理控制台来定义端点类型。您可以为该端点类型导入包含屏幕、任务和角色的角色定义文件。您可以定义的端点类型包括在 Connector Xpress 中创建的动态端点类型。

以前这些功能仅在配给管理器中提供。

需要配给管理器的端点类型

您现在能使用用户控制台来管理大多数端点类型，但下列端点类型仍在配给管理器中进行管理：

- Entrust PKI
- CA SSO
- CA EEM
- Novell Netware
- Ingres
- NSK Safeguard

安装和升级功能增强

我们对 CA Identity Manager r12.5 安装程序进行了以下功能改善：

- 安装：
 - 安装前先决条件检查
 - 现在所有连接器都是默认安装的
- 升级：
 - 新的升级向导具有下列功能：
 - 发现已安装的 CA Identity Manager 组件
 - 提供已安装组件的版本信息
 - 指出组件是否是最新的，或是否有可用升级
 - 升级先决条件检查
 - 提供配给组件安装程序的直接启动
 - 通过错误检查验证升级是否成功
 - 自动化 CA Directory 升级从 Ingres 技术转移至 DXGrid 技术
 - 自动化 Identity Manager 目录和环境迁移
 - 自动化任务持久性迁移
 - JDBC 驱动程序自动添加
 - 自动化 WorkPoint 工作流升级，并且可以选择人工升级（如果有必要）
 - 自动化数据源升级
 - 新功能和帐户屏幕角色定义文件的自动化导入

自动化的任务持久性无用单元收集和存档

在该版本中，管理员能够使用特定参数对作业进行排定和修改，以便通过“清除已提交的任务”任务来清除和存档任务持久性数据库中的任务和事件信息，以及根据需要删除这些周期任务。

在“系统”选项卡中，可以通过选择“清除已提交任务”启动一个向导。然后，该向导将引导您完成设置和排定作业，以及是否存档数据的过程。必要时，您还可以选择“系统”选项卡中的“删除周期任务”选择删除这些周期作业。

通过对任务进行排定以清理和存档任务数据，可以大大降低性能问题或系统运行中断的可能性。通过使用存档功能，您可以首先将任务备份到存档数据库中，然后再将其从运行时数据库删除。如果您需要返回来查看这些删除的任务，请选择“查看提交的任务”中的“搜索存档”复选框，来搜索和查看所有已删除和存档任务的列表。

任务持久性迁移工具

对于该版本，增加了一个新的迁移工具，用于将任务持久性数据库从 **r8.1 SP2** 或 **r12** 迁移到 **r12.5**。该命令行工具是 **Identity Manager** 管理工具的一部分，位于以下位置：

admin_Tools/tools/tpmigration

admin_tools 的默认位置为：

- **Windows:** <安装路径>/tools
- **UNIX:** <安装路径 2>/tools

Connector Xpress 增强

在 **Connector Xpress** 中，您现在可以执行以下操作：

- 使用可多值 **JDBC** 连接器 - 一个表的多个列中的值可以填充一个属性值，而不用使用一个列中的值。
- 使用 **JDBC** 结构化类和辅助类。
- 使用一个灵活的新映射过程，其中包括一个类和属性映射树，代替了以前的连续向导过程。这是您能够根据需要添加和编辑属性。
- 指定任意两个对象类之间的直接关联
- 指定对象之间的间接关联。例如，两个对象之间的关联是双向的且包含在一个第三方实体（如表）中，该实体将保存对象之间的关联链接。
- 创建方法和脚本样式操作绑定
- 将操作绑定到其他对象和类组合
- 将两个或两个以上 **opbinding** 绑定到同一个计时，即同一个操作用于同样的目标对象类。例如，您可以对于帐户对象类的 **Before Add** 操作具有两个或两个以上的 **opbinding**。

批加载程序允许多个操作

CA Identity Manager 中的批加载程序功能现在使您能够为不存在的对象指定备选操作映射。

以前 **CA Identity Manager** 允许您选择针对主要对象执行的操作。如果该主要对象不存在，并且指定的操作是修改或删除，则会出现错误。此外，如果您对一个已存在于 **CA Identity Manager** 中的主要对象指定创建操作，也会出现错误。

在 **CA Identity Manager r12.5** 中，如果主要对象不存在，您可以选择执行备选的创建（或自行创建）操作。

角色和任务导入功能增强

管理控制台现在提供了选择一个或多个预定义角色定义文件，以便创建或更新 Identity Manager 环境时从可用文件列表进行导入的功能。这样就大大减少了设置环境的配置步骤。

Name	Filename	Description	Version
Category: SmartProvisioning			
<input type="checkbox"/> Smart Provisioning	SmartProvisioning-RoleDefinitions.xml		1.0
Category: Upgrade to 12.5			
<input type="checkbox"/> Upgrade-12-to-12.5-RoleDefinitions	Upgrade-12-to-12.5-RoleDefinitions-NoOrganization.xml		1.0
<input type="checkbox"/> Upgrade-12-to-12.5-RoleDefinitions	Upgrade-12-to-12.5-RoleDefinitions-Organization.xml		1.0
<input type="checkbox"/> Upgrade-12-to-12.5-RoleDefinitions	Upgrade-12-to-12.5-RoleDefinitions-ProvisioningNoOrganization.xml		1.0
<input type="checkbox"/> Upgrade-12-to-12.5-RoleDefinitions	Upgrade-12-to-12.5-RoleDefinitions-ProvisioningOrganization.xml		1.0
<input type="checkbox"/> Upgrade-8.1-to-	Upgrade-8.1-to-12.5-		

预定义的角色定义文件会针对 CA Identity Manager 功能创建角色和任务，其中包括：

- Smart Provisioning
- Enterprise Log Manager 集成
- 帐户管理

注意：有关导入角色定义文件的详细信息，请参阅《Configuration Guide》。

报告数据源

在 CA Identity Manager r12.5 中可以为报告指定不同的数据源，而不是快照数据库。例如，如果要访问审核信息，现在您可以将审核数据库的连接信息提供给报告，而报告将从审核数据库中获取其数据。

同样，为数据源指定连接信息（针对报告）已经从管理控制台移至用户控制台（位于“系统”，“JDBC 连接管理”下）。

注意：有关报告的详细信息，请参阅《Administration Guide》。

新的默认报告

CA Identity Manager 中添加了下列报告：

报告	说明	源
帐户详细信息	显示帐户模板及其关联的配给角色、端点类型、端点和帐户的列表。	快照数据库
管理	显示管理员及其管理权限的列表。	快照数据库
审核-分配/吊销配给角色	显示配给角色事件的列表。	审核数据库
审核-取消配给	显示用户及其被取消配给帐户的列表。	审核数据库
审核详细信息	显示任何核事件及其相关状态详细信息。	审核数据库
审核-未决批准任务	显示待批准任务的列表。	审核数据库
审核-重置密码	显示某个特定的时间段已重置的用户密码的列表。	审核数据库
端点详细信息	显示所有端点类型、端点和端点属性的列表。	快照数据库

workflow 增强功能

CA Identity Manager r12.5 包括了对于 workflow 功能的以下增强。

WorkPoint 3.4.2 支持

CA Identity Manager r12.5 支持 Workpoint 3.4.2。以前的 CA Identity Manager r12 支持 Workpoint 3.3.2。

基于规则的工作流

通过基于规则的工作流，可以根据规则评估将事件与 workflow 流程相关联。这意味着，与之前事件总是启动 workflow 流程不同，仅当与该事件相关联的规则为真时，workflow 流程才会运行并生成工作项。

例如，创建新组时，您可以定义一个规则，规定：仅当新组属于指定的父组织时才将 **CreateGroupEvent** 置于工作流控制之下并且创建工作项。如果新组不属于该组织，工作流流程则不会运行，也不会创建任何工作项。

如果某个事件有多个规则，那么与该事件相关联的一个工作流进程被批准的情况下，该事件本身也会被批准。与之相似，如果与该事件相关联的某一个工作流流程被拒绝，则该事件本身也会遭到拒绝。工作流规则可以被赋予优先级值，以便确定规则评估和工作流执行的顺序。

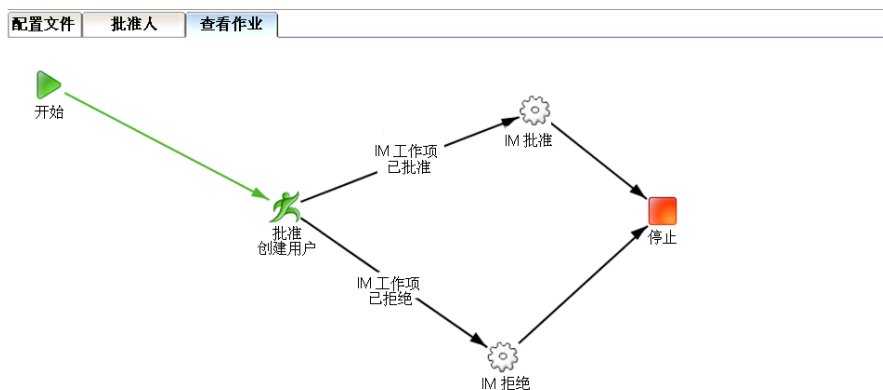
所有的默认 **Identity Manager** 工作流模板和预定义流程都支持工作流规则。另外，还可以创建自定义工作流流程以便与工作流规则一起使用。

注意：有关基于规则的工作流的详细信息，请参阅《Administration Guide》。

工作流作业视图

在该版本中，您现在可以通过以下内容在用户控制台中查看任务和事件级工作流的 **Workpoint** 作业的运行状态图形表示：

- 批准任务
- 查看提交的任务



您还可以查看模板和旧式流程定义。

在新环境中，批准任务默认包括“查看作业”选项卡。只有对于在本版本中创建的事件或任务，您才能在“查看提交的任务”中查看其作业映像。对于在早期版本中创建的事件，不能查看其作业映像。

“查看提交的任务”功能增强

“查看提交的任务”选项卡现在将显示由于 Identity Manager 用户控制台发起的操作而导致的更改相关信息。例如，当管理员在用户控制台中将配给角色分配给用户时，“查看提交的任务”将显示哪些帐户创建成功、可能已经发生的任何错误或失败的相关信息。

这些信息出现在“事件详细信息”屏幕的“相关任务”部分中。

下列的示例显示了一个分配用户配给角色事件的事件详细信息屏幕：

为用户分配配给角色事件详细信息：分配给用户“jsmith”配给角色“Base Employee”

事件名称	AssignProvisioningRoleEvent
事件说明	Assign user "jsmith" provisioning role "Base Employee"
任务执行人	etaadmin (etaadmin)
事件创建时间	Tuesday, November 3, 2009 5:25:01 PM EST
事件状态	Completed
主要对象	User jsmith (John Smith)
次要对象	Provisioning Role Base Employee

更改的属性

属性	旧值	新值
无结果。		

事件历史

源	说明
WORKFLOW	There was no default workflow process mapped to this event.
WORKFLOW	There was no workflow process mapped to this event. Fetching default workflow process definition.
TASKSESSION	Global User 'jsmith' provisioning role memberships added and associated accounts added or updated successfully: (accounts created: 2, updated: 0, re-created: 0, failures: 0)
TASKSESSION	Global User 'jsmith' provisioning role memberships added and associated accounts added or updated successfully: (accounts created: 2, updated: 0, re-created: 0, failures: 0) [Number of detail item(s): 2]

相关任务

搜索相关任务并返回至多 行

有此事件的 2 个相关任务。

说明	状态	优先级	启动人	已提交	上次更新
Cause: UNIX ETC Account 'jsmith' on 'framework4' created successfully Action: Assign user "jsmith" provisioning role "Base Employee" task, Provisioning Non Managed Object jsmith	Completed	Medium	etaadmin	11/3/2009 5:26 PM	11/3/2009 5:26 PM

注意：有关“查看提交的任务”选项卡的详细信息，请参阅《Administration Guide》。

配置文件屏幕增强

在 CA Identity Manager r12.5 中，“配置文件”选项卡包括了几个新配置设置以支持新功能。这些新设置将在以下各部分中进行说明。

确认字段

CA Identity Manager r12.5 现在支持确认字段, 您可以使用配置字段来验证配置文件屏幕上的两个字段值是否匹配。例如, “确认密码”和“确认电子邮件”就是两个确认屏幕。

注意: 有关详细信息, 请参阅《User Console Design Guide》。

动态字段显示

CA Identity Manager 可以根据配置文件屏幕中其他字段的值, 来设置某些特定的字段显示属性。使用 JavaScript, 您可以隐藏和显示某个字段, 或者启用和禁用某个字段。例如, 如果“员工类型”设置为“临时”, 则可以使用 JavaScript 显示“代理”字段。如果“员工类型”为“全职”或“兼职”, 则隐藏“代理”字段。

注意: 有关使用该功能的信息, 请参见《User Console Design Guide》。

新对象选择器字段样式

CA Identity Manager r12.5 为配置文件屏幕上的字段包括了一个新的对象选择器样式选项。该选项会显示一个控件, 管理员可以使用该控件来搜索并选择管理对象。该样式通常用于帐户管理屏幕。

注意: 有关使用该功能的信息, 请参见《User Console Design Guide》。

对 Microsoft Visual Studio 2008 的支持

CA Identity Manager 完全支持 Microsoft Visual Studio 2008 SP1。这意味着对于针对以前版本的 CA Identity Manager (支持 Microsoft Visual Studio 2003) 编写的所有自定义代码, 必须使用 Visual Studio 2008 SP1 重新编译。受影响的自定义代码可能包括以下内容:

- C++ 自定义连接器
- Java 自定义连接器的配给管理器插件
- 公共程序出口
- Universal Provisioning Option (UPO) 程序出口
- Pluggable Authentication Module (PAM) DLL
- Universal Feed Option 程序出口

身份策略功能增强

您可以为策略集创建成员规则，以便策略集仅适用于某些用户。在评估集中的身份策略之前评估该规则，这可以节省不少时间。例如，如果成员规则限制的身份策略评估为用户的 10%，那么该规则将会节省 90% 的评估时间。

配给角色所有者任务

在用户控制台中，可以使用一个新任务：创建配给角色的所有者策略。您可以选择一个或多个配给角色，然后分配所有者策略以便控制有权修改角色的用户。该任务是重置配给角色所有者任务的备选，后者一次只能针对一个角色使用。

第 2 章： 现有功能的变更

此部分包含以下主题：

[快照数据库性能提高](#) (p. 23)

[快照参数 XML 文件增强](#) (p. 23)

[连接管理](#) (p. 23)

[环境导出包括其他对象](#) (p. 24)

[CA Identity Manager 累积版本 \(CR\) 中的修补程序和增强](#) (p. 24)

[Active Directory 连接器现在支持 Win2003 R2 UNIX 属性](#) (p. 24)

[端点类型属性映射文件移动](#) (p. 24)

[默认 CleverPath 报告模板被删除](#) (p. 25)

[已弃用的配给 SDK 和实用程序](#) (p. 25)

[不再支持 iRecorder](#) (p. 26)

[Web 服务对于新环境中的所有任务均为禁用状态](#) (p. 27)

快照数据库性能提高

将数据导出到快照数据库时，性能得以很大提高。

要进一步改善性能，请使用针对特定数据需求的快照参数 XML 文件，如针对用于生成端点帐户报告的 Identity Manager 对象。

快照参数 XML 文件增强

导出端点对象时，现在可以使用 `<exportattr>` 和 `<objattr>` 元素来定义将与某个特定端点类型一起导出的帐户属性，如下所示：

```
<exportattr objecttype="endpoint_type">
<objattr name="description"/>
<objattr name="fullName"/>
<objattr name="lastLogin"/>
</exportattr>
```

连接管理

连接管理在 CA Identity Manager 中被替换为 JDBC 连接管理。

通过 JDBC 连接管理，可以指定用于在 Identity Manager 中进行报告的备用数据源。该功能允许您为不同的数据库提供连接详细信息，并将其归为各种连接类型。另外，对于每种连接类型还可以指定一个默认连接。

重要说明！ 由于性能方面的原因，我们建议您不要使用 Identity Manager 对象存储数据库作为生成报告的数据源。

环境导出包括其他对象

下列环境特定的管理对象现在将与角色和任务一起导出：

- 连接（包括 CA RCM 的连接对象，CA Enterprise Log Manager 和报告）
- 快照定义
- 导出和关联定义

如果导出包括具有 `attributelevelencrypt` 或 `sensitive` 数据分类的属性，CA Identity Manager 则会在导出的文件中加密这些属性。

CA Identity Manager 累积版本 (CR) 中的修补程序和增强

CA Identity Manager r12.5 包括 CA Identity Manager r12 CR 1 - 6 中的修补程序和增强。

Active Directory 连接器现在支持 Win2003 R2 UNIX 属性

通过 Windows 2003 R2 UNIX 扩展与 CA Access Control UNIX 身份验证代理的结合，您可以使用 Active Directory 来管理 UNIX 计算机和帐户。CA Identity Manager 会通过 Active Directory 上填充这些属性来配给 UNIX 访问权限，而不是配给每个 UNIX 服务器。这样就大大简化了 UNIX 环境的配给和身份管理。

注意：该功能自从 CA Identity Manager r12 就已经合并，仅在配给管理器中可用。

端点类型属性映射文件移动

在 CA Identity Manager r12 中，用于将 Identity Manager 扩展到 JIAM 属性的属性映射文件位于 `IdentityMinder.ear\custom\provisioning\im2jiammapping`。

在 CA Identity Manager r12.5 中，这些属性映射文件已经移到了各自的端点类型 jar 中。这些 JAR 文件位于 `IdentityMinder.ear\user_console.war\WEB-INF\lib`。

默认 CleverPath 报告模板被删除

CA Identity Manager r12.5 中删除了默认 CleverPath 报告模板支持。CA Identity Manager 现在支持 Business Objects Report Server。

CA Identity Manager r12.5 包括一系列用于 Business Objects Report Server 的报告模板。有关详细信息，请参见《Administration Guide》中的报告相关章节。

注意：您可以使用 Crystal Reports Developer 创建自定义报告模板，该产品可从 Business Objects 购买。

已弃用的配给 SDK 和实用程序

下列配给服务器 SDK 和接口在 CA Identity Manager r12.5 已弃用；然而，它们仍然能够按照文档所描述的那样继续运行。

要使用 C++ 连接器 SDK 和 JIAM SDK，请下载和安装 CA Identity Manager 12.5 旧版组件包。其中包括《Programming Guide for Provisioning》，该指南描述了这些 SDK。

■ C++ 连接器 SDK

通过该 SDK 可以编写自定义静态 C++ 连接器。现有的 C++ 连接器能够继续用于 CA Identity Manager r12.5。

注意：应当使用 Java 连接器 SDK 开发新的连接器，如《Programming Guide for Java Connector Server》中所述。

■ Java Identity and Access Management (JIAM) SDK

JIAM SDK 在 CA Identity Manager 的先前版本中提供以下功能：

- 配给服务器的 Java 接口
- 开发自定义客户端应用程序的配给服务器功能抽象
- 一个为多个客户端提供身份和访问管理功能访问权限的统一接口

之所以弃用该 API，是因为它只能提供对于部分 CA Identity Manager 功能的访问。

该功能已被以下 CA Identity Manager 12.5 功能代替：

- 用户控制台中的管理任务

您可以使用管理任务对 Identity Manager 管理的大部分对象进行操作。

- 任务执行 Web 服务 (TEWS)

CA Identity Manager 任务执行 Web 服务 (TEWS) 是一个 Web 服务接口，使得第三方客户端应用程序将远程任务提交给 CA Identity Manager 进行执行。该接口实施 WSDL 和 SOAP 开放标准，从而提供对 CA Identity Manager 的远程访问。

- 管理对象接口

CA Identity Manager 为管理对象提供了多个接口，可通过 CA Identity Manager 应用程序接口来访问。

有关管理任务的详细信息，请参阅《Administration Guide》。有关 TEWS 和管理对象接口的详细信息，请参阅《Programming Guide for Java》。

■ **etutil**

使用 etutil 批处理实用程序可执行与配给管理器同样的任务，只是它是基于命令行界面的。etutil 实用程序是所安装 r12.5 软件的一部分。此内容在《Provisioning Reference Guide》中说明。

该功能已被任务执行 Web 服务 (TEWS) 代替，这部分内容位于《Programming Guide for Java》。

■ **Universal Provisioning Connector (UPC)**

UPC 为 Identity Manager 提供了一个机制，用于在收到用户配给请求时调用用户指定的外部程序。它使用程序出口来发送关于非管理系统（非管理模式）的报警，以便管理员可以手动执行请求并更新帐户请求状态。它还以同步模式（管理模式）使用出口，以便提供对于远程端点类型的直接管理接口。

不再支持 iRecorder

CA Identity Manager r12.5 中不再支持 iRecorder。iRecorder 功能已替换为 CA Enterprise Log Manager。

Web 服务对于新环境中的所有任务均为禁用状态

从 CA Identity Manager 12.5 开始，在环境创建期间通过使用“选择默认角色”选项创建的新任务，或者通过导入可选角色定义插件创建的新任务，在默认情况下会将 Web 服务设置为 **false**。在以前的 CA Identity Manager 版本中，在默认情况下所有任务的 Web 服务都是启用的。

升级到 CA Identity Manager 12.5 之后，以前启用了 Web 服务的现有环境中的任务，将继续启用 Web 服务，因为它们是以前版本的。如果现有环境应用任何升级角色定义插件，这些新的 12.5 任务在默认情况下会将 Web 服务标志设置为 **false**。

第 3 章： 硬件要求

对承载 Identity Manager 服务器的每个系统的最低硬件要求如下：

- CPU: Intel (或兼容) 1.5 GHz (Windows 或 Linux) , SPARC 1.0 GHz (Solaris) 或 POWER4 1.1 GHz (AIX)
- 内存: 2 GB
- 可用磁盘空间: 2 GB

注意：以上硬件要求已将必须安装在系统（将在其中安装 Identity Manager 服务器）中的应用程序服务器的要求考虑在内。

我们建议承载 Identity Manager 服务器的每个系统具有以下硬件：

- CPU: 双核 Intel (或兼容) 2.5 GHz (Windows 或 Linux) , 双核 SPARC 1.5 GHz (Solaris) 或 POWER5 1.5 GHz (AIX)
- 内存: 4 GB
- 可用磁盘空间: 2 GB

下面是承载配给服务器或单机连接器服务器的每个系统所必需的最低硬件要求：

- CPU: Intel (或兼容) 1.5 GHz (Windows) 或 SPARC 1.0 GHz (Solaris)
- 内存: 2 GB
- 可用磁盘空间: 2 GB

我们建议每个承载配给服务器或单机连接器服务器的系统具有以下硬件：

- CPU: 双核 Intel (或兼容) 2.5 GHz (Windows) 或双核 SPARC 1.5 GHz (Solaris)
- 内存: 4 GB
- 可用磁盘空间: 2 GB

下面是承载配给目录的每个系统所必需的最低硬件要求：

- CPU: Intel (或兼容) 1.5 GHz (Windows) 或 SPARC 1.0 GHz (Solaris)
- 内存: 2 GB
- 可用磁盘空间: 2 GB 到 10 GB, 取决于用户和帐户数目
- 用于临时和大型部署的 64 位处理器和操作系统

我们建议每个承载配给目录的系统具有以下硬件：

- CPU: 双核 Intel (或兼容) 2.5 GHz (Windows) 或双核 SPARC 1.5 GHz (Solaris)
- 内存: 4 GB

- 可用磁盘空间：2 GB 到 10 GB，取决于用户和帐户数目
- 64 位处理器和操作系统

对于生产环境，不建议在一个物理系统上承载整个 CA Identity Manager 产品。但是，这样做的最低硬件要求如下所示：

- CPU：双核 Intel（或兼容）2.0 GHz (Windows) 或双核 SPARC 1.5 GHz (Solaris)
- 内存：4 GB
- 可用磁盘空间：6 GB 到 14 GB，取决于用户和帐户数目
- 用于临时和大型部署的 64 位处理器和操作系统

第 4 章： 安装注意事项

此部分包含以下主题：

[支持的升级路径](#) (p. 31)

[必需的 Solaris 修补程序](#) (p. 31)

[Solaris 最低内核参数](#) (p. 32)

[非 ASCII 字符会导致非英语系统上的安装失败](#) (p. 32)

[IPv6](#) (p. 32)

[配置 IPv6 支持](#) (p. 34)

[Windows 2008 上带有纯 IPv6 的配给目录不受支持](#) (p. 34)

[z/OS 连接器架构更改](#) (p. 34)

[CA Directory 的位置](#) (p. 34)

[故障转移： CA Identity Manager 有时会回到旧的配给服务器](#) (p. 35)

[无法使用非完全限定 URL 配置 CA Identity Manager](#) (p. 35)

[使用 WebLogic 时 Identity Manager EAR 不自动部署](#) (p. 35)

支持的升级路径

您能从以下版本直接升级至 CA Identity Manager r12.5：

- eTrust Admin r8.1 SP2
- CA Identity Manager r8.1 SP2
- CA Identity Manager r12

必需的 Solaris 修补程序

在 Solaris 9 或 10 上安装配给之前，请下载和安装以下修补程序：

下载用于 **SDK** 的 **Sun Studio 10** 修补程序

1. 转至以下 URL：

http://developers.sun.com/prodtech/cc/downloads/patches/ss10_patches.html

2. 下载并安装修补程序 117830。

注意： Sun Studio 11 无需安装修补程序。

下载用于所有组件的 **Solaris 9** 修补程序

1. 转至以下 URL：

<http://search.sun.com/search/onesearch/index.jsp>

2. 下载并安装 9_recommended.zip

Solaris 最低内核参数

在 Solaris 上安装配给服务器时，检查 `/etc/system` 并验证下列最小 IPC 内核参数值：

- `set msgsys:msginfo_msgmni=32`
- `set semsys:seminfo_semmni=256`
- `set semsys:seminfo_semmns=512`
- `set semsys:seminfo_semmnu=256`
- `set semsys:seminfo_semume=128`
- `set shmsys:shminfo_shmmni=128`
- `set shmsys:shminfo_shmmin=4`

非 ASCII 字符会导致非英语系统上的安装失败

在 CA Identity Manager 安装过程中，安装程序会将文件提取到一个 Temp 目录中。在某些本地化系统中，该 Temp 目录的默认路径包含非 ASCII 字符。例如，在西班牙语 Windows 系统上，Temp 目录的默认路径如下所示：

```
C:\Documents and Settings\Administrador\Configuración local\Temp
```

非 ASCII 字符会导致安装程序显示空白的“安装前摘要”页面，这会导致安装失败。

变通方法

将 TMP 环境变量更改为指向仅包含 ASCII 字符的文件夹。

IPv6

CA Identity Manager 将在下列操作系统上支持 IPv6：

- Solaris 9 或更高版本
- Windows XP SP2 或更高版本
- Windows 2003 SP2 或更高版本
- Windows 2008 或更高版本

每个应用程序服务器都有特殊的 JDK 要求：

- WebLogic 应用程序服务器包括 JDK 1.5，它支持 IPv6 地址。
- WebSphere 应用程序服务器至少需要 JDK 1.5 SR9 才能使用 IPv6。
- 对于单机系统上的 JBoss 应用程序服务器，CA Identity Manager 通过 JDK1.5（在 Solaris 上）或 JDK1.5（在 Windows 上）支持 IPv6。
- 对于 JBoss 群集，截止到 CA Identity Manager r12.5 的发布时间，没有可用于使用 IPv6 的 JDK。如果发布可使用 IPv6 的 JDK，平台支持表将进行更新。

注意：该限制仅适用于 Windows 系统。

- 对于使用 IPv4/IPv6 堆栈的 JBoss 群集，CA Identity Manager 通过 JDK1.5（在 Solaris 上）或 JDK1.5（在 Windows 上）支持 IPv6。

配置支持 IPv6 的环境之前请注意以下内容：

- 要使得 CA Identity Manager 能够支持 IPv6 地址，CA Identity Manager 实施中的所有组件（包括操作系统、JDK、目录服务器和数据库）也必须支持 IPv6 地址。
- 如果 CA Identity Manager 与 SiteMinder 进行集成，则用于应用程序服务器的 Web 服务器插件也必须支持 IPv6。
- 使用 JDBC 连接从 CA Identity Manager 连接 SiteMinder 或任何数据库时，请指定主机名而不要指定 IP 地址。
- 报告服务器可以安装在双堆栈主机上（支持 IPv4 和 IPv6），但与该服务器的通信必须是 IPv4。

在管理控制台中配置报告服务器连接时，服务器名称应为 IPv4 格式。

- CA Identity Manager 不支持 IPv6 链接本地地址。
- Java 连接器服务器不支持 Microsoft Windows 平台上的 IPv6。截止到 CA Identity Manager r12.5 的发布时间，没有可用于使用 IPv6 的 JDK。如果发布可使用 IPv6 的 JDK，平台支持表将进行更新。
- 在 IPv4/6 环境中，如果您对 CA Directory DSA 进行配置以侦听多个地址，则必须将附加地址添加到 DSA 知识文件中。有关详细信息，请参阅 CA Directory 文档。

配置 IPv6 支持

如果您要在支持 IPv6 的 JBoss 系统上进行安装，则必需一些配置。

在 JBoss 应用程序服务器上配置 IPv6

1. 打开 `jboss_installation\bin` 中的 `run_idm.bat/sh` 文件。
2. 修改 `JAVA_OPTS` 条目中的以下属性之一：
 - 对于仅 IPv6 系统，取消以下条目的注释：
`#IDM_OPTS="$IDM_OPTS -Djava.net.preferIPv6Addresses=true"`
 - 对于 IPv6/IPv4 系统，取消以下条目的注释：
`#IDM_OPTS="$IDM_OPTS -Djava.net.preferIPv4Stack=true"`
3. 保存该文件。

Windows 2008 上带有纯 IPv6 的配给目录不受支持

由于某个 Sun Java 系统限制，不支持在卸载了 IPv6 网络服务的 Windows 2008 服务器上安装配给目录。

要规避该问题，请在该系统上安装 IPv6 服务并将其保持禁用状态。

z/OS 连接器架构更改

由于性能原因，已重新设计了 z/OS 连接器（CA ACF2、CA Top Secret 和 RACF）的架构，现在可以使用 CA LDAP Server for z/OS 来替代 CA DSI Server on z/OS。

尝试配置任何 z/OS 连接器之前，必须安装 CA LDAP Server for z/OS r12（可从 support.ca.com 上下载）。

CA Directory 的位置

配给目录安装在 CA Directory 中。CA Directory 的正确版本位于 CA Identity Manager 安装介质中。

故障转移：CA Identity Manager 有时会回到旧的配给服务器

在 `directory.xml` 文件中，您可以通过在 `directory.xml` 的 `Connection` 元素 `failover` 属性中添加多个配给服务器，来配置配给服务器故障转移，如下所示：

```
<Connection host="system1" port="20389" failover="system1:20389,system2:20389,system3:20389" />
```

如果更改其中一个指定的配给服务器，CA Identity Manager 可能会将故障转移请求发送到最初的配给服务器，而不是新的配给服务器。

无法使用非完全限定 URL 配置 CA Identity Manager

安装 CA Identity Manager 时，必须使用完全限定 URL。

使用 WebLogic 时 Identity Manager EAR 不自动部署

如果在生产模式中使用 WebLogic 9 或 WebLogic 10，则安装或升级 Identity Manager EAR 后首次启动该应用程序服务器时，Identity Manager EAR 可能不会自动部署。如果出现此种情况，请从 `user_projects\applications` 文件夹中手工部署 `IdentityMinder.ear`。

第 5 章： 已知问题

此部分包含以下主题：

[常规](#) (p. 37)

[升级](#) (p. 41)

[报告](#) (p. 46)

[配给](#) (p. 49)

常规

下面是 Identity Manager r12.5 中的常规已知问题。

数据库未启动时 Identity Manager 以失败状态启动

如果在您开始 Identity Manager 服务器时 CA Identity Manager 所需要的运行时数据库未启动，CA Identity Manager 则不管怎样都会尝试初始化，并保持失败状态。

搜索大用户存储时，可能发生“内存不够”错误

针对大用户存储执行通配符 (*) 搜索时，该任务可能会失败，并出现 `java.lang.OutOfMemoryError: Java heap space` 错误。将许多对象（如用户）加载到内存时，就会发生该问题。

变通方法

增加应用程序服务器启动脚本中的堆设置。考虑将堆大小增加到 1000 MB 分配值，1400 MB 最高值。

批加载程序工作流程限制

默认情况下 CA Identity Manager 目前不支持批加载程序的事件级工作流程。

变通方法

您可以为批加载程序启用任务级工作流，然后使用常规的批准任务来实现同样的功能。

在 Linux 64 位操作系统上对 WebSphere 自动部署 WorkPoint 过程脚本时的错误

默认 Linux LANG 变量 “en_US.UTF8” 会导致 WorkPoint 属性文件读取失败。该问题则会导致 CA Identity Manager 应用程序初始化期间的 WorkPoint 脚本自动部署期间的失败。随后尝试在管理控制台中将事件与 WorkPoint 过程进行映射时，也会发生失败，并显示工作流过程未找到错误。

变通方法

部署可以更改 WebSphere 启动脚本 startServer.sh 中的默认 LANG shell 变量 “en_US”，或在启动 WebSphere 的管理员登录脚本中更改该变量。

创建带有配给的环境之后重新启动 CA Identity Manager

创建了包括配给的环境之后，请重新启动 CA Identity Manager 安装于的应用程序服务器。如果您在不重新启动应用程序服务器的情况下启动该环境，则正如 Configuration Guide 中所描述的那样，该环境不会注册到配给服务器。

如果该环境不包括配给，则可以在不重新启动应用程序服务器的情况下启动该环境。

JBoss 上的良性 JSF RI 错误

在 JBoss 上实施 JSF RI 时，应用程序服务器日志中会出现以下错误：
ERROR [org.apache.myfaces.shared_impl.config.MyfacesConfig] Both MyFaces and the RI are on your classpath. 请确保仅使用两个 JSF 实施之一。

这是一个良性错误，不需要修复。

CA Identity Manager 连接器需要连接器配置更改

默认情况下附带的 CA Identity Manager 连接器是 r12 连接器，与 r12.5 不兼容。因此，需要下列连接器配置更改：

- SourceName: 代理计算机上的数据源名称 - imsauditevent12
- AnchorSQL: select max(id) from imsauditevent12
- AnchorField: IMS_EVENTID
- EventSQL: select imsauditevent12.id as IMS_EVENTID ,imsauditevent12.audit_time as IMS_AUDITTIME ,imsauditevent12.envname as ENVNAME ,imsauditevent12.admin_name as ADMINUNIQUENAME ,imsauditevent12.admin_dn as ADMINID ,imsauditevent12.tasksession_oid as TRANSACTIONID ,imsauditevent12.event_description as EVENTINFO ,imsauditevent12.event_state as EVENTSTATE ,imsauditevent12.tasksession_oid as TASKOID ,imsaudittasksession12.task_name as TASKNAME ,imsauditeventobject12.object_type as OBJECTTYPE , imsauditeventobject12.object_name as OBJECTUNIQUENAME ,imsauditobjectattributes12.attribute_name as ATTRNAME ,imsauditobjectattributes12.attribute_oldvalue as ATTROLDVALUE ,imsauditobjectattributes12.attribute_newvalue as ATTRNEWVALUE ,imsauditobjectattributes12.attribute_newvalue as ATTRVALUE from imsaudittasksession12, imsauditevent12, imsauditeventobject12, imsauditobjectattributes12 where imsauditevent12.id >? and imsauditevent12.tasksession_id = imsaudittasksession12.id and imsauditevent12.tasksession_oid = imsaudittasksession12.tasksession_oid and imsauditeventobject12.parent_event_id = imsauditevent12.id and imsauditobjectattributes12.parent_object_id = imsauditeventobject12.id ORDER BY imsauditevent12.id ASC;

注意：CA Enterprise Log Manager Identity Manager 连接器仅在 Windows 系统上运行。

配给角色名称更改不会在 CA RCM 中动态更新

如果在 CA Identity Manager 中重命名某个配给角色，该名称更改不会通过动态通知与 CA RCM 进行交流。这可能会影响建议角色功能以及遵从性和策略验证。

变通方法

使用 Identity Manager 连接器将 Identity Manager 数据导入到 CA RCM。

在特定部署中创建新环境时的“未找到”错误

如果 CA Identity Manager 与 CA SiteMinder 6.0.5 CR 31 或更高版本进行了集成，则当用户试图浏览某个新环境 URL 时，可能会显示“错误 404 - 未找到”。

该问题是由于策略服务器中的高速缓存问题引起的。

变通方法

要解决该错误，请执行以下步骤：

对于 **Windows**：

1. 在 SiteMinder 注册表中添加一个关键字：
 - a. 导航到
\\HKEY_LOCAL_MACHINE\SOFTWARE\Netegrity\Siteminder\
CurrentVersion\ObjectStore
 - b. 添加带有以下设置的“ServerCmdMsec”键：
 - 类型：DWORD
 - 值：1
 - c. 重新启动策略服务器。
2. 重新启动应用程序服务器。
3. 关闭所有浏览器实例。然后，使用新浏览器实例来访问该环境 URL。

对于 **Solaris**：

1. 向 <CA_HOME folder>/netegrity/siteminder/registry/sm.registry 文件添加一行
ServerCmdMsec= 0x1 REG_DWORD
2. 重新启动策略服务器。
3. 重新启动应用程序服务器。
4. 关闭所有浏览器实例。然后，使用新浏览器实例来访问该环境 URL。

CA RCM 日志中的良性错误

当 CA RCM 服务器收到来自 CA Identity Manager 的创建或修改用户或角色的请求时，在 CA RCM 服务器日志中会显示以下错误：

```
ERROR [Call] No returnType was specified to the Call object! You must call setReturnType() if you have called addParameter().
```

该错误是良性的，可以安全忽略。这些更改会在 CA RCM 中成功执行。

在 Identity Manager 中修改单值复合属性

如果在 CA Identity Manager 修改动态端点的单值复合属性，请仅指定一个值。如果指定多个值，现有值将被清除，并且不会为属性提供值。在配给管理器中不会发生这个问题。

无法创建逻辑属性处理程序的副本

当您尝试在用户控制台中创建逻辑属性处理程序的副本时，会出现以下错误：

“该对象未连接”

变通方法

不基于现有逻辑属性处理程序创建新的逻辑属性处理程序。

访问查看用户活动任务时出错

第一次单击“查看用户活动”任务中“启动用户”选项卡时，会发生错误。

变通方法

要清除该错误，请刷新页面。

升级

下面是与 Identity Manager r12.5 升级相关的一些问题。

将群集从 CA Identity Manager r12 CR6 或更高版本进行升级时的问题

如果将群集从 CA Identity Manager r12 CR6 或更高版本升级为 CA Identity Manager r12.5，该升级可能会由于安装文件中的一些群集属性被清除而失败。

变通方法

升级之前请验证安装文件中是否存在下列属性：

- **WebSphere:** 检查群集名称是否填充到了 DEFAULT_WAS_CLUSTER 中。如果没有，请手动添加。
- **WebLogic:** 检查群集名称是否填充到了 DEFAULT_BEA_CLUSTER 中。如果没有，请手动添加。

注意： 该问题不影响 JBoss 群集。

默认情况下，安装文件位于以下位置：

- Windows: C:\Program Files\CA\CA Identity Manager\install_config_info\im-installer.properties
- Unix:
/opt/CA/CA_Identity_Manager/install_config_info/im-installer.properties

升级之后重新映射 DYN 端点属性

升级之后，一些 DYN 端点属性可能不会显示在用户控制台帐户屏幕中。

变通方法

使用 Connector Xpress 将任何 DYN 端点属性重新映射到帐户屏幕，如下所示：

1. 升级之后，在 Connector Xpress 中打开旧的 DYN JDBC 项目。
2. 将这些属性重新映射到帐户屏幕。
3. 重新部署元数据。
4. 运行角色定义生成器。
5. 将相应的文件复制到应用程序服务器。
6. 重新启动 CA Identity Manager。

注意：有关使用 Connector Xpress 映射端点属性的详细信息，请参阅《Connector Xpress Guide》。

CA Directory 升级消息问题

升级 CA Directory 时，安装程序可能会请您关闭 `cmd.exe`，但升级时要使用 `cmd.exe`。如果您遇到该消息，请单击“忽略”并且继续升级。

在 Solaris 上从 Admin 8.1 SP2 升级时的问题

在 Solaris 上从 Admin 8.1 SP2 进行升级之前，请完成以下操作：

1. 从 /opt/CA/eTrustDirectory/dxserver/config/schema 中删除 etrust_adt.dxc
2. 重新启动 DSA:

```
su - dsa  
  
dxserver stop all  
  
dxserver start all  
  
dxserver status
```

3. 验证 DSA 是否正确启动。

注意：在 Windows 上升级时不一定要执行该过程。

基于 WebLogic 9.2.1 升级时的错误

基于 WebLogic 9.2.1 从 CA Identity Manager r12 进行升级时，可能会发生以下错误：

- Unable to deploy EJB:
C:\bea\user_projects\domains\base_domain\applications\IdentityMinder.ear\wpServer.jar from wpServer.jar: Unable to load a class specified in your ejb-jar.xml: com.workpoint.server.ejb.SchemaPvtHome.
- Error while parsing the Tag Library Descriptor at
"C:\bea\user_projects\domains\base_domain\servers\AdminServer\tmp_WL_user\IdentityMinder\wfq3pk\war\WEB-INF\lib\standard.jar!/META-INF/c-rt.tld".

变通方法：

1. 删除 WL_User 临时文件夹，例如，
domains\base_domain\servers\AdminServer\tmp_WL_user。

注意：对于 WebLogic 群集，需要清除每个管理节点上的缓存。要清除的缓存位置为 WebLogic_folder\
common\nodemanager\servers\server\tmp_WL_user。

2. 编辑位于 C:\bea\user_projects\domains\base_domain\bin 的 setDomainEnv.cmd 文件并添加下列行：

```
set IDM_OPTS=%IDM_OPTS%  
-Djavax.xml.stream.XMLInputFactory=weblogic.xml.stax.XMLStreamInputFactory
```

3. 重新启动应用程序服务器。

自动迁移期间的 SiteMinder 错误

如果在 CA Identity Manager 升级期间尝试目录和环境的自动迁移，则可能会收到一个 SiteMinder 错误。如果更改了默认的 SiteMinder 身份验证端口 (44442)，安装程序则会错误检测到 SiteMinder 未在运行，并不允许您继续。

变通方法

您可以在完成升级之后运行迁移。有关详细信息，请参阅《Upgrade Guide》中的手动升级部分。

环境迁移错误

如果您要从 CA Identity Manager r8.1 SP2，或 r12 CR1、CR2 或 CR3 进行升级，则在导入环境时可能会看到以下错误：

Attribute "accumulateroleeventsenabled" is not allowed to appear in element "Provisioning".

变通方法

打开导出的 Env.zip 中的 envsettings.xml 文件，将 accumulateroleeventsenabled 更新为 acumulateroleeventsenabled（删除 accumulate 中的第二个“c”）。

升级 CA Directory 之前必要的修复

要升级 Windows 系统上的 CA Directory，必须在开始升级过程之前为 CA Directory 应用许可补丁程序。

如果不应用修补程序，则升级过程可能会删除其他 CA 产品所需的许可文件。

可以在 CA 支持站点[下载](#)补丁程序。

查找补丁程序

1. 登录 support.ca.com。
将打开 CA 支持站点。
2. 单击该页面左侧的链接列表中的“Licensing”。
3. 单击“License Package 1.8 is Now Available”。

将打开一个说明许可包更改的页面，其中包括下载许可包的链接。

4. 按照说明下载并安装 Windows 补丁程序。

注意：如果计划手动卸载 eTrust Directory r8，也需要该补丁程序。

不支持从 ACE 或 Option Pack 1 进行升级

如果您目前正在使用带有 ACE 或 Option Pack 1 的 CA Identity Manager 版本，则不支持升级到 CA Identity Manager r12.5。

从 eTrust Admin 8.1 SP2 升级后，MS SQL 端点和 Oracle 端点均不可用

从 eTrust Admin 8.1 SP2 升级至 Identity Manager r12.5 后，升级之前获取的所有 MS SQL 端点或 Oracle 端点均需要使用配给管理器手工重新配置，以使用 JDBC URL 替代数据源名称 (DSN)。这是由于从使用 SuperAgent 转而使用 Java CS 来管理 MS SQL 端点和 Oracle 端点所导致。

Oracle: 修改 Oracle 端点属性表中的详细信息。

示例:

```
jdbc:oracle:thin:@oracle_server_host:1521:ORACLE
```

MS SQL: 右键单击端点，然后选择“自定义”、“更改管理员密码”。此时可以更改 URL 和连接凭据，而无需查看其他端点详细信息。

示例:

```
jdbc:sqlserver://serverHost:1433;instanceName=instance1
```

注意: 可以在《Connectors Guide》中找到迁移步骤和可能的 URL 语法的完整列表。

用于 z/OS 连接器的升级后步骤

由于性能原因，已重新设计了 z/OS 连接器（CA ACF2、CA Top Secret 和 RACF）的架构，现在可以使用 CA LDAP Server for z/OS 来替代 CA DSI Server on z/OS。

尝试配置任何 z/OS 连接器之前，必须安装 CA LDAP Server for z/OS r12（可从 support.ca.com 上下载）。

升级到 Identity Manager r12.5 之后，请对定义到系统的每个端点执行以下操作：

1. 在“对象类型”中选择端点“CA ACF2”、“CA Top Secret”或“RACF”。
2. 单击“搜索”按钮。右键单击端点，然后选择“属性”。填写以下信息：

在“大型机服务器信息”部分中：

- **IP 地址/计算机名称**指定配置和运行 CA LDAP 服务器所在的 RACF 管理系统的 IP 地址。
- **LDAP 端口**指定在安装 CA LDAP Server for z/OS 时指定的端口号。如果不确定大型机 LDAP 端口，请参阅“Checking your CA LDAP Server for z/OS Configuration Information”（查看 CA LDAP Server for z/OS 配置信息）一节。
- **LDAP 后缀**指定要用于此端点的后缀。单击“获取后缀”按钮后，将自动使用所有有效的可用后缀填充此组合框。为“大型机 IP 地址/计算机名称”字段和“大型机 LDAP 端口”字段提供有效值之后，即可检索后缀。

如果 Identity Manager 用户存储无法联系，环境迁移则失败

从 CA Identity Manager r8.1 SP2 进行升级时的环境迁移期间，如果 Identity Manager 用户存储无法联系，该环境将保持为未完成状态。例如，基础 URL 可能会缺失，或者无法设置系统管理者。

变通方法

1. 删除受影响的环境。
2. 将文件环境名称 EnvironmentMigrated.properties 重命名为 环境名称 EnvironmentAutoMigrate.properties
该文件位于应用程序服务器部署位置
/IdentityMinder.ear/user_console.war/META-INF/
3. 重新启动应用程序服务器。

报告

下面是在 Identity Manager r12.5 中进行报告时的一些相关问题。

使用 ExportAll.xml 捕获快照数据时出错

使用 ExportAll.xml 快照定义捕获快照数据时，该过程会失败，并显示错误“java.lang.OutOfMemoryError: Java heap space”。当大量对象（如用户）加载到内存时，就会发生该问题。

变通方法

增加应用程序服务器启动脚本中的堆设置。考虑将堆大小增加到 1000 MB 分配值，1400 MB 最高值。

此外，在快照定义 XML 文件中，考虑将对象的筛选条件拆分成多个条件。例如，请不要使用通配符 (*) 筛选器来加载所有用户，而应指定多筛选，如“用户 ID 开始于'a'”，“用户 ID 开始于'b'”，等。

捕获快照数据任务在完成时也显示为正在进行

选中“查看提交的任务”的情况下，尽管捕获快照数据任务已经完成，但仍可能标记为“正在进行”。然而，如果您深入浏览捕获快照数据任务的详细信息部分，则正确显示该任务已完成。

报告限制

与单个报告任务关联的多个快照不能使用同一重现时间。

在 XML 文件中，Satisfy=All 运行不正常

在快照参数 XML 文件中，satisfy=all 和 satisfy=any 均按照 satisfy=any（类似于 OR 运算符）运行。

查看报告时会重定向到 Infoview 登录页

在 CA Identity Manager 中查看报告时，您可能会被重定向到 Business Objects Infoview 登录页。

变通方法

1. 请确保使用 CA Report Server (Business Objects) 的完全限定域名。
2. 右键单击 Infoview 登录网页并且选择“查看源文件”。
3. 查找该报告的 URL。
4. 将该 URL 复制并粘贴到新的浏览器窗口。

5. 如果看不到该报告，则使用 **http** 跟踪工具来提供更多信息。
6. 如果能看到该报告，则尝试以下操作来修复浏览器设置：
 - 接受第三方 **Cookie**。
 - 允许会话 **Cookie**。
 - 删除高安全性设置。

为“查看我的报告”任务启用第三方 **Cookie**

要使用“查看我的报告”任务查看 **CA Identity Manager** 中的报告，请在浏览器中启用第三方会话 **Cookie**。

如果存在的记录多于 **20,000** 个，生成用户帐户则失败

如果存在的记录多于 **20,000** 个，生成用户帐户报告则失败。

变通方法

1. 打开 **Business Objects Central Management** 控制台。
2. 单击 **Servers**，然后选择 **servername.pageserver**。
3. 对于条目 **Database Records To Read When Previewing Or Refreshing a Report** 选择 **Unlimited** 记录数。
4. 使用 **Crystal Reports** 设计器，打开用户帐户报告。
5. 使用 **Database, Set Datasource Location**，将数据库位置设置为您的快照数据库。
6. 保存该更改。
7. 使用 **Database, Datasource Expert**，右键单击窗口右侧的 **Command**。
此时将在左侧显示 **SQL** 句法，还将显示 **Parameter** 列表。
8. 输入报告模板的 **Parameters** 字段中的属性名。
9. 更改左侧的查询，并在查询中添加该参数。

例如，如果您有 **reportid** 参数，该查询将为：

```
Select * from endPointAttributes, endpointview, imreport6
where endPointAttributes.imr_endpointid = endpointview.imr_endpointid and endPointAttributes.imr_reportid =
endpointview.imr_reportid
endpointview.imr_reportid = imreport6.imr_reportid and imreport6.imr_reportid = {?reportid}
```

10. 保存该报告。

对于 WebSphere，非快照报告需要日期选取器

非快照报告使用当前系统日期和时间值作为开始日期时间和结束日期时间。然而，这些值对于 WebSphere 不起作用。当您单击“排定报告”时，会出现错误。

变通方法

使用日期选取器控件选择开始和结束日期时间。

默认审核报告不支持重复调用

CA Identity Manager 附带的审核报告不支持重复调用。

配给

下面是在 Identity Manager r12.5 中进行配给时的一些相关问题。

常规

下面是 Identity Manager r12.5 中的常规配给问题。

高于 INFO 级别的 Solaris ECS 日志可能会影响配给服务器的性能

启用高于 INFO 级别的 ECS 日志会导致在收到响应之前写入日志。这会导致在写入日志时延迟请求。如果在使用 ECS 日志时配给服务器性能降低，可以禁用 ECS 日志来解决此问题。

如果 JIAM 指定了错误的对象类名称，SPML 更新将失败

JIAM API 有时可能会开始在发送至配给服务器的请求中使用错误、删减的对象类名称，配给服务器将拒绝该请求，并生成错误“配给服务器中内部一致性出错”。例如，执行“eTSBLDirectory”对象更新时，会将错误的对象类“eTDirectory”发送至配给服务器。可以通过重新启动 SPML 服务来解决此问题。

全局用户名称中的特殊字符

通过配给管理器，您可以创建包含特殊字符（例如反斜杠字符 [\]）的全局用户名称。不过，Identity Manager 服务器不支持带有特殊字符的用户名。

在配给管理器中创建名称中带有特殊字符的全局用户时，Identity Manager 将尝试在 Identity Manager 用户存储中创建相应用户。Identity Manager 用户存储中将出现错误，并且“创建用户”任务将失败。

如果尝试在配给管理器中删除名称中带有特殊字符的全局用户，也会出现错误。

添加端点时的已存在错误

如果删除并重新添加名称完全相同的端点，配给服务器有时会报告错误，表明具有该名称的端点已存在。如果将多个连接器服务器配置为管理该端点，就会出现该错误。该错误是由于在端点删除过程中出现问题 - 未向所有连接器服务器通知此删除。

变通方法

重新启动所有已配置为管理该端点的连接器服务器。

配给服务器首选非本地 DNS 设置

即使您将操作系统配置为首先采用本地主机表，而非 DNS，配给服务器安装程序仍然首选配给目录主机的 DNS 结果。

全局用户名的 SiteMinder 登录名限制

如果某个全局用户需要登录 SiteMinder 策略服务器，则该用户名不能包含下列字符或字符串：

&
*
:
()

变通方法

避免在全局用户名中使用这些字符。

某些 WebSphere 节点可能丢失对象

在 WebSphere 群集中，环境的更改可能不会显示在群集的一些节点上。例如，修改配给角色之后，该更改可能不会显示在该 WebSphere 群集的其他节点上。

变通方法

将服务集成总线从群集移至专用服务器上。请参阅 [Connecting Applications on the Service Integration Bus](#) 上的 WebSphere 文档。

在 64 位 Linux 上更改密码不触发 UNIX PAM 服务

PAM 仅在 32 位 Linux 系统上受支持。

Connector Xpress: 更改属性映射可能会引起冲突

在类编辑器中更改属性的映射时，可能会保留其现有的 **JavaBean** 属性名。这可能会与随后映射到原属性的另一个属性发生冲突。

变通方法

如果两个属性共享一个常用 **JavaBean** 属性名，请在类编辑器中取消它们的映射，单击离开编辑器，然后再回到该编辑器并对其进行重新映射。

“查看提交的任务”可能无法显示已浏览的所有容器

对于浏览并关联任务使用“查看提交的任务”时，可能只有最后一个容器显示为已浏览，即使所有容器均已浏览也是如此。

变通方法

检查 **etrans** 日志文件验证所有容器是否均已浏览。该日志存在于安装配给服务器的位置。

配给管理器具有过期的 **SAWI/DAWI** 引用

配给管理器中包含具有 **SAWI** 和 **DAWI** 功能控件的对话框。请使用 **Identity Manager** 自助式服务功能取代 **SAWI** 或 **DAWI**。

Java 连接器服务器 (Java CS)

下面是与 **Identity Manager r12.5** 中的 **Java** 连接器服务器相关的一些问题。

升级过程中 **connector.xml** 文件重命名

将 **Java Connector Server** 从 **r8.1 SP2** 升级到 **r12.5** 时，**JCS_HOME/conf/override/*** 之下的所有 **connector.xml** 文件将重命名为 **connector.xml.orig**。

如果您使用这些 **connector.xml** 文件，请在升级之后将这些文件重命名回原来的名称。

使用 **/** 字符序列表示识别名时，浏览 **Java** 连接器失败

处理以下两字符序列时，**Java CS** 中存在未解决的问题：

/

以 **JNDI API** 标准使用的组合名称来表示跨越多种技术的识别名，这种处理方法这非常重要。

有关传递给 Java CS 的识别名中其他特殊字符的详细信息，请参阅

<http://ietf.org>

上和 javax.naming.ldap.LdapName 的 JavaDoc 中的 LDAP RFC 2253

使用 Windows 服务重新启动 Java CS 服务失败

使用 Windows 服务重新启动 Java CS 服务时，可能会在其尚未完全关闭之前启动 Java CS 服务，从而导致该服务失败。

变通方法

请使用 Windows 服务控制面板中的停止和开始按钮，而不要使用重新启动按钮。

在 JNDI 帐户名称中不应使用保留字符

创建 JNDI 帐户时，请不要在帐户名称中使用保留字符，包括反斜线 (/)。尝试删除这些字符时，会发生错误。

JNDI 帐户管理屏幕 - 使用多个结构化对象类创建帐户失败

不能使用多个结构化对象类创建帐户。

端点类型

下面是在 CA Identity Manager r12.5 中管理端点类型时的一些相关问题。

使用重试自动锁定的端点必须配置较大的重试限制

对于具有“N”次重试自动锁定行为的端点，用于使用 Java CS 连接该端点的帐户应配置为较大的(或者不受限制的)“N”次数，因为连接尝试次数会被 Java CS 很快用完。

当帐户由于超过“N”次数而被本机锁定时，可能需要使用本机工具对其进行解锁，然后才能重新获取该端点。这取决于该端点的具体本机“锁定”行为。

使用 Active Directory 连接器搜索子树时的不正确结果

对包含多个组织单元（每个组织单元中包含大量对象）的子树执行子树搜索时，搜索可能错误地不返回任何对象。例如，如果搜索限制大小设置为 500，而每个组织单元中的对象数均超过该限制，将不返回任何结果。即使搜索筛选将搜索限制大小缩小到 500 以内，搜索可能仍错误地不返回任何对象。

变通方法

增加搜索限制大小。

ADS2008 端点的端点说明显示为数字

使用用户控制台查看或修改 ADS2008 端点时，该“ADS 服务器”选项卡上的“域控制器”、“域”和“林”字段值均显示作为数字。

获取 DB2 z/OS 端点导致 CCS 崩溃

DB2 UDB 连接器和 DB2 z/OS 连接器必须将请求路由至不同的 C++ 连接器服务器 (CCS)。

变通方法

在一台单独的计算机上另安装一个 CCS，以便每个 DB2 UDB 连接器和 DB2 z/OS 连接器都在各自的 C++ 连接器服务器上托管。

DB2 帐户模板中授权机构授予的属性是功能属性

DB2 帐户模板中授权机构授予的属性当前显示为初始属性，但实际上是功能属性。

S390 上运行的 Linux 操作系统上的 ETC 远程代理出现故障

在 S390 主机上运行的 Linux 操作系统上尝试安装 ETC 远程代理时出现故障，出现以下错误：

```
# ./IdentityManager.LinuxS390.sh lsm.exe: error while loading
shared libraries: libncurses.so.4: cannot open shared object file: No
such file or directory."
```

变通方法

您需要找到并安装用于该操作系统的版本 4 ncurses。

无法更改 UNIX ETC 帐户主目录

当您将 UNIX ETC 帐户的主目录更改为其他位置并且选中“创建”复选框时，不会创建这个新目录。

使用 SPML 对 VMS 的删除帐户权限进行修改时失败

您无法使用 SPML 删除 VMS 帐户上 accountRights 属性中的值。SPML 客户端将返回一条成功消息，但是帐户不会更新。

变通方法

使用配给管理器来执行此类修改。

无法为 OpenVMS 帐户设置辅助密码

OpenVMS 远程代理工具“vmsautl”不会强制执行用户帐户的 OpenVMS 主要/辅助密码的语义。如果在未设置主要密码的情况下尝试指定辅助密码，操作将失败，并显示错误消息“密码太短”。

变通方法

尝试为帐户设置辅助密码之前，总是首先重置主要密码。

VMS 属性 eTVMSPWDLifeTime 显示为不同步

如果将帐户模板属性“永不过期”设置为“True”（选中），则执行“检查帐户同步”操作之后，“密码使用期”（eTVMSPWDLifeTime）属性将显示为不同步。

无法设置 VMS 密码标志

如果帐户添加或修改操作请求未对 eTVMSAccessFlags 设置值，则执行此类操作时，不会正确设置 eTVMSPwdFlags 属性。

变通方法

添加或修改请求应包含 eTVMSAccessFlags 属性和 eTVMSPwdFlags 属性的值。

VMS 迁移密码属性显示为不同步

字段 MIGRATEPW 设置为“True”（选中）的所有 VMS 帐户或帐户模板在执行“检查帐户同步”操作之后，都会将 eTVMSPwdFlags 显示为不同步。

NDS 连接器无法浏览新容器

获取 NDS 端点后，首次浏览尝试找到并添加容器。如果使用 NDS 本地工具添加容器，然后尝试重新浏览端点，则新添加的容器及其子条目将不显示在树中。

变通方法

从配给服务器删除该端点，然后重新获取并浏览该端点，以查看这些新容器。

NDS 连接器说明为单值字段

在 NDS 连接器中，帐户说明为单值字段，但在 NDS 端点中，帐户说明为多值字段。

尝试获取大型机端点时的配给管理器帮助不正确

配给管理器帮助对于大型机 LDAP IP 地址/计算机名和大型机 LDAP 端口显示错误的字段名。

管理邮箱权限时显示 E2K CAFT 错误

管理邮箱权限时可能会返回错误消息“CAFT 消息：访问被拒绝 - 或无法执行命令”（即使正确配置了 Exchange 远程代理）。

如果邮箱权限列表中存在针对同一对象的多个权限，可能会出现此问题，如果受管理的 Exchange 对象从父对象继承权限，通常会发生此问题。

初始创建后 E2K7 邮箱不同步

在选中“使用强同步”的情况下创建帐户模板并将某个全局用户与该帐户模板同步之后，右键单击该全局用户，然后选择“帐户同步”。此时“邮箱权限”不会同步。

变通方法

选择“Exchange 高级”，“邮箱权限”，“添加”（使用 SHIFT+“添加”方式），“NT 授权\已验证用户”，仅“读取权限”。

启用电子邮件组中未设置电子邮件地址

创建组并选中“创建 Exchange 电子邮件地址”的情况下，不会为该组设置电子邮件地址。

变通方法

创建该组之后，转到“电子邮件地址”选项卡，在此处应用新的电子邮件地址。

尝试修改一个具有 E27K 邮箱的帐户时显示错误消息

尝试修改一个具有 E27K 邮箱的帐户时显示错误消息。该错误是良性的，可以忽略。

尝试创建 E2Kx 邮箱时错误消息显示“不足”

对于 INT 字段中的字符显示一条“不足”错误消息。错误 [-]?[\d]* 表示该必填字段必须是数字。

消息限制不允许在配给管理器中同时选择“Only From”和“From Everyone Except”

Exchange Server 2007 允许管理员同时选择“仅接受来自下列列表中发件人的邮件”和“拒绝来自下列列表中”。配给管理器则只允许选择一个。这是 Exchange 2003 中的行为。如果在 Exchange 2007 中就已经两个都选中，该功能在配给管理器中将失效。

PKI 组属性页错误显示

尝试在配给管理器中打开 PKI 组属性页时，将显示错误消息“无法显示请求的属性页”。

PKI 帐户显示为重复

PKI 连接器不支持 Entrust PKI 层级端点，并将所有帐户存储在展开列表中。因此，具有相同名称的一个唯一 Entrust PKI 帐户将显示为 PKI 连接器的重复内容。

创建 PKI 帐户时显示电子邮件通知警告

如果获取了使用代理配置文件的 PKI 端点，并打开了电子邮件通知，则在未指定“创建配置文件”选项的情况下无法创建新的 PKI 帐户。

变通方法

请执行下列操作之一：

- 不使用代理配置文件获取该端点。
- 获取该端点时禁用电子邮件通知，然后转至该端点手工查看参考编号

PKI 连接器不支持国际化

配给管理器中无法正确显示带有非 7 位 ASCII 字符的帐户，因为 PKI 连接器不支持国际化。

分配 SAP 合约用户类型

在“许可数据”选项卡中将合约用户类型分配给用户时，更改只能应用于主系统，而无法应用于任何子系统。

变通方法

您可以在本地为这些子系统更改合约许可类型。

SAP 端点不从 SAPlogon.ini 文件进行预填充

配给管理器在 Windows 2008 上运行时，SAP 的端点详细信息不会从 SAPlogon.ini 文件进行预填充。

注意： 该问题仅针对运行在 Windows 2008 上的配给管理器。

变通方法

您必须将 SAPlogon.ini 的内容手动输入到配给管理器中。

SAP 合约用户类型属性中的强制字段

对于可在帐户的“许可数据”选项卡上指定的合约用户类型，除“LIC_TYPE”字段之外不能具有其他强制字段。例如，如果必须指定 SAP R3 系统 (SYSID) 的名称才能使用合约用户类型，则分配将失败，并将出现错误，表明 SAP R3 系统的名称中缺少一个值。

“帐户许可数据”选项卡中的合约用户类型属性无法用于所有许可类型

从可用列表中选择某个用户类型时，只有一些用户类型起作用。一些许可类型会出现“BAPI”函数引用错误。原因是一些用户类型包含无法识别的多余字段。

在多个端点上创建帐户时的 SBL 错误

列出多个端点的帐户模板只能列出存在于所有端点上的 Siebel 组。

如果 LND 帐户的组员资格中包含日语字符，配给管理器将不显示 LND 帐户的组员资格

在配给管理器中，在包含日语字符的组织和组织单元中创建的帐户不在“成员”选项卡中显示其组员资格。

注册过程中不创建 LND 帐户邮件文件

在配给管理器 LND 帐户创建窗口的“配置文件”选项卡页面中，包含一个称为“创建副本”的复选框。

管理群集环境中的 Domino 端点时，如果选中了“创建副本”复选框，则应在群集环境中创建帐户的副本及其相关联的邮件文件。在此版本中，不在注册过程中创建副本邮件文件。

指定 eTPLSCountry 的情况下 PLS 帐户搜索返回不存在的帐户

在 PLS 帐户的搜索请求中包括 eTPLSCountry 属性时，该搜索响应将返回条目，即使在端点或配给存储库中不存在具有该名称的帐户也是如此。

PLS 连接器无法向应用程序添加 2000 以上的帐户

您一次不得向应用程序添加 2000 以上的帐户。如果您有超过 2000 的帐户要进行添加，则必须将这些帐户拆分成多个操作。

对于用户控制台中的创建或修改任务，帐户模板与帐户不同步

使用用户控制台时，不支持显式帐户同步。

变通方法

使用配给管理器将帐户与帐户模板进行同步。

从 r8.1 SP2 升级之后 DYN 端点类型缺失“端点”选项卡

升级到 r12.5，映射 DYN 属性，并将元数据重新部署到 DYN 端点类型中之后，使用 RoleDef 生成器工具生成的端点屏幕上的第一个选项卡不会显示。

变通方法

使用配给管理器来管理 DYN 端点该选项卡上的属性。

第 6 章： 文档

以下是 CA Identity Manager r12.5 指南的文件名：

指南名	文件名
版本说明	im_release_chs.pdf
Implementation Guide	im_impl_enu.pdf
Installation Guide for WebLogic	im_install_weblogic_enu.pdf
Installation Guide for WebSphere	im_install_websphere_enu.pdf
Installation Guide for JBoss	im_install_jboss_enu.pdf
Upgrade Guide	im_upgrade_enu.pdf
Configuration Guide	im_config_enu.pdf
Administration Guide	im_admin_enu.pdf
User Console Design Guide	im_uc_design_enu.pdf
Programming Guide for Java	im_dev_enu.pdf
Provisioning Reference Guide	im_provisioning_reference_enu.pdf
Connectors Guide	im_connectors_enu.pdf
Connector Xpress Guide	im_connector_xpress_enu.pdf
Java Connector Server Implementation Guide	im_jcs_impl_enu.pdf
Programming Guide for Java Connector Server	im_jcsProg_Enu.pdf
Glossary	im_glossary.pdf
Bookshelf	im_bookshelf_enu.zip

此部分包含以下主题：

[总目录](#) (p. 60)

[在线帮助功能增强](#) (p. 60)

[eTrust 到 CA 的品牌重塑](#) (p. 61)

[术语更改](#) (p. 61)

[文档更改](#) (p. 62)

总目录

通过总目录，可从一个界面访问所有 **CA Identity Manager** 文档。总目录包括以下内容：

- 所有 **HTML** 格式的指南内容的可展开列表
- 所有指南的全文搜索，其中搜索结果分级排序，搜索术语在内容中突出显示
- 允许您链接到更高级别主题的页面地址导航
- 所有指南中主题的单一 **HTML** 索引
- 用于打印的 **PDF** 版本指南的链接

使用总目录

1. 从 [CA 支持站点](#) 下载总目录。

2. 提取总目录 **ZIP** 文件的内容。

注意：要获得最佳性能，在远程系统上安装总目录时，请将总目录设置为可以从 **Web** 服务器进行访问。

3. 按以下方式查看总目录：

- 如果总目录位于本地系统上，且您使用的是 **Internet Explorer**，请打开 **Bookshelf.hta** 文件。
- 如果总目录位于远程系统上，或如果您使用的是 **Mozilla Firefox**，请打开 **Bookshelf.html** 文件。

注意：要获得最佳性能，在远程系统上安装总目录时，请将总目录设置为可以从 **Web** 服务器进行访问。

总目录需要使用 **Internet Explorer 6**、**Internet Explorer 7** 或 **Mozilla Firefox 2**。要查看 **PDF** 指南的链接，需要使用 **Adobe Reader 7** 或 **Adobe Reader 8**。可以从 www.adobe.com 下载 **Adobe Reader**。

注意：r12 和 r6.0 SP5 的 **CA SiteMinder** 总目录已使用 **CA Identity Manager** 所使用的同一总目录格式发布到 [CA 支持站点](#) 上。

在线帮助功能增强

现在，用户控制台在线帮助和管理控制台在线帮助具有以下功能：

页面地址导航

指明您在帮助层次结构中的位置，使导航更加便捷。它们位于帮助页面的顶部。

搜索突出显示

在结果页面中，用黄色突出显示您搜索的上下文。

导航按钮

显示上一页和下一页箭头按钮，使导航更加便捷。它们位于帮助页面的顶部，页面地址导航下方。

eTrust 到 CA 的品牌重塑

目前，某些 CA 安全产品的品牌正从“eTrust”转变为“CA”。在此转变期间，文档中可能会同时提及 eTrust 产品和 CA 产品。例如，eTrust Directory 现在的品牌名称为 CA Directory。文档内提及的任何 eTrust 产品相当于使用新 CA 品牌的同一产品。

术语更改

现在的 eTrust Admin 客户可能会注意到，由于 eTrust Admin 成为了 CA Identity Manager 的一部分，现在某些术语已经发生了变化。下表对这些变化进行了说明：

eTrust Admin 术语	Identity Manager 中的新术语
eTrust Admin 服务器	配给服务器
eTrust Admin 管理器	配给管理器
目录	端点
命名空间	端点类型
策略或配给策略	帐户模板
角色	配给角色
分布式超级代理框架	连接器服务器框架
超级代理	C++ 连接器服务器
选项	连接器
管理目录或管理存储库	配给目录
Identity Manager 企业目录	Identity Manager 用户存储
企业用户	入站管理员

文档更改

我们对 CA Identity Manager r12.5 文档集进行了以下更改。

Installation Guide 和 High Availability Guide

CA Identity Manager 的高可用性内容已合并到了每种应用程序服务器的《Installation Guide》中。不再提供单独的指南来介绍高可用性内容。

Upgrade Guide

CA Identity Manager r12.5 中的一个新指南。所有与 CA Identity Manager 升级有关的内容均已从《Installation Guide》中分离出来，被单独放入到了《Upgrade Guide》中。

User Console Design Guide

该新指南主要面向在安装之后初次配置 Identity Manager 环境的系统管理员。

该指南包括自定义任务（包括任务导航和屏幕设计）、商标和本地化方面的信息。

Programming Guide for Provisioning

该指南描述了一些已弃用的配给 [API](#) (p. 25)，已从总目录中删除。现在该指南与这些 API 的安装包一起提供。

附录 A: 第三方声明

此部分包含以下主题:

[Apache](#) (p. 63)
[ANTLR 2.7.5H#](#) (p. 70)
[ASM 3](#) (p. 71)
[DOM4J](#) (p. 71)
[HSQLDB 1.7.3](#) (p. 73)
[HSQLDB 1.8.0](#) (p. 75)
[IBM DB2 Driver for JDBC and SQLJ](#) (p. 76)
[Jaxen 1.3](#) (p. 76)
[JDOM 1.11](#) (p. 78)
[JSON 1.0](#) (p. 79)
[jtopen 5.1.1](#) (p. 79)
[libcurl 7.15.0](#) (p. 80)
[MX4J 3.0.2](#) (p. 81)
[Oracle JDBC Driver 10g Release 2](#) (p. 83)
[Rhino 1.5R5](#) (p. 84)
[Rhino 1.7R1](#) (p. 93)
[SAAJ 1.2](#) (p. 105)
[SAXPath 1.1](#) (p. 106)
[SpiderMonkey 1.5](#) (p. 107)
[Sun JDK 1.6.0](#) (p. 108)

Apache

Portions of this product include software developed by the Apache Software Foundation.

Apache Ant 1.6.5

Apache Axis 1.1

Apache Axis 1.2

Apache Axis 1.2.1

Apache Axis 1.4

Apache Axis2/Java 1.5

Apache Bean Scripting Framework 2.4.0

Apache Jakarta Commons BeanUtils 1.6.1 and 1.7

Apache Commons Cli 1.0

Apache Jakarta Commons Codec 1.3

Apache Jakarta Commons Collections 3.1
Apache Jakarta Commons DBCP 1.2.1
Apache Jakarta Commons Validator 1.2
Apache Commons Digester 1.7
Apache Commons Discovery 0.2
Apache Commons EL 1.0
Apache Commons File Upload 1.2
Apache Commons IO 1.3.1
Apache Commons Lang 2.1
Apache Commons Logging 1.0.4
Apache Commons Pool 1.3
Apache Derby 10.4.2
Apache ehcache 1.2.4
Apache Jakarta Taglibs 1.0.6
Apache Jakarta ORO 2.0.8
Apache Jakarta Slide 2.1
Apache Log4j 1.2.8
Apache HttpClient 3.0
Apache MyFaces 1.1.5
Apache JSTL Taglib 1.1
Apache POI 3.2
Apache Quartz 1.5.2
Apache Spring Framework 1.2.8
Apache StAX 1.2
Apache Struts 1.2.7 and 1.2.9
Apache Velocity 1.4

Apache Xalan-C 1.9.0

Apache Xalan-J 2.6.0

Apache xmltask 1.13

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ANTLR 2.7.5H#

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ASM 3

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